

Prof. Odd Magnus Faltinsen "Corresponding member of the Croatian Academy of Sciences and Arts"

Professor Faltinsen was elected to the Croatian Academy of Sciences and Arts as a corresponding member on June 17th, 2014. He is a Full Professor at the Norwegian University of Science and Technology (NTNU), Centre for Ships and Ocean Structures, Trondheim, Norway. He completed the studies of applied mathematics at the Bergen University in 1968, and he received his PhD in naval architecture and marine engineering at the Michigan University in 1971. He started his career in Det Norske Veritas in Oslo in 1968 as a researcher and was appointed Assistant Professor of marine technology at the Norwegian Institute of Technology in 1974 and Professor of marine hydrodynamics in 1976. He was a visiting professor at the Massachusetts Institute of Technology (MIT) in 1980-1981, 1987-1988 as well as in 1994-1995. Also, he was teaching for three months at the Research Institute of Applied Mechanics at the Kyushu University in Japan. Furthermore, he spent some time at the INSEAN Institute in Rome and at the University College in London. From 2008 he has been Honorary Professor at the Harbin Engineering University in China. Professor Faltinsen has mentored about 50 doctoral candidates and hosted more than ten postdoctoral researchers and visiting professors from Japan, France, Italy, USA and Croatia.

Professor Faltinsen is the author/co-author of three well-known books: Faltinsen, O.M. *Sea Loads on Ships and Offshore Structures*, Cambridge University Press, 1991; Faltinsen, O.M. *Hydrodynamics of High-Speed Marine Vehicles*, Cambridge University Press, 2006; Faltinsen O.M and Timokha, A.N. *Sloshing*, Cambridge University Press, 2009. All three books have been translated into Chinese and the first one is also translated into Korean. Nowadays, the books are used as textbooks at many universities worldwide. He has published more than 350 papers in scientific journals, conference proceedings and books. He took part in the organization of a large number of international conferences on ship hydrodynamics. The so-called STF (Salvensen-Tuck-Faltinsen) method used to estimate wave induced movements and loads on ships presented in 1970 is still applied as an engineering tool.

Professor Faltinsen was a member of the Board of Directors of the Norwegian Hydrodynamic Laboratories, Ship Manoeuvring Simulator and MARINTEK. He is one of the founders of the Centre of Excellence for Ships and Offshore Structures, which is a leading centre in the world for the development of the basic knowledge for ship motion in rough sea. His work within the International Towing Tank Conference (ITTC) and International Ship and Offshore Structure Congress (ITTC) is valuable.

He is also a member of editorial board of a few distinguished journals like Journal of Applied Ocean Research (Elsevier), International Series on Advances in Fluid Mechanics (Computational Mechanics Publications, Southampton, Boston), Journal of Marine Sciences and Technology (Springer), and Journal of Hydrospace Technology (The Society of Naval Architects of Korea).

Nowadays, Professor Faltinsen is a leading scientist in the field of ships and hydrodynamics offshore structures. He is also a member of the Norwegian Academy of Science and Letters, the Norwegian Academy of Technological Sciences, The Chinese Academy of Engineering, and the National Academy of Engineering of the United States of America. He received the Fridtjof Nansen award for outstanding research in science and medicine in 2011.

Professor Faltinsen also cooperates with Croatian scientists and gives support to younger researchers. He was a guest of the Croatian Academy of Sciences and Arts in 2007 and was invited to give a lecture. The lecture entitled *Challenges in Hydrodynamics of Ships and Ocean Structures* was published in the Bulletin of the Department of Technical Sciences, Vol. 9, No. 3, 2007.



Prof. Faltinsen accepts charter of the Academy membership

Ivo Senjanović